**FIG. 1**

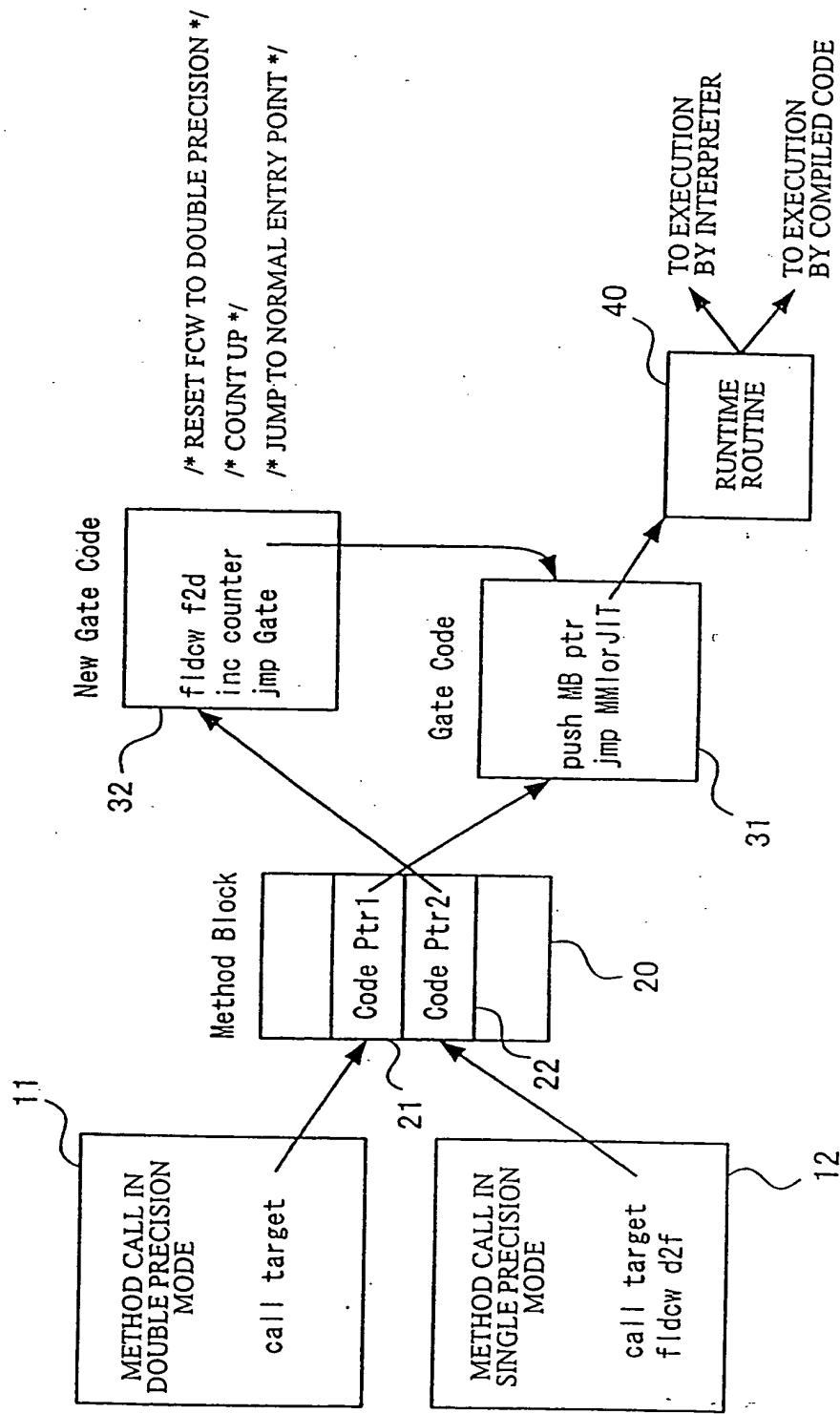


FIG. 2

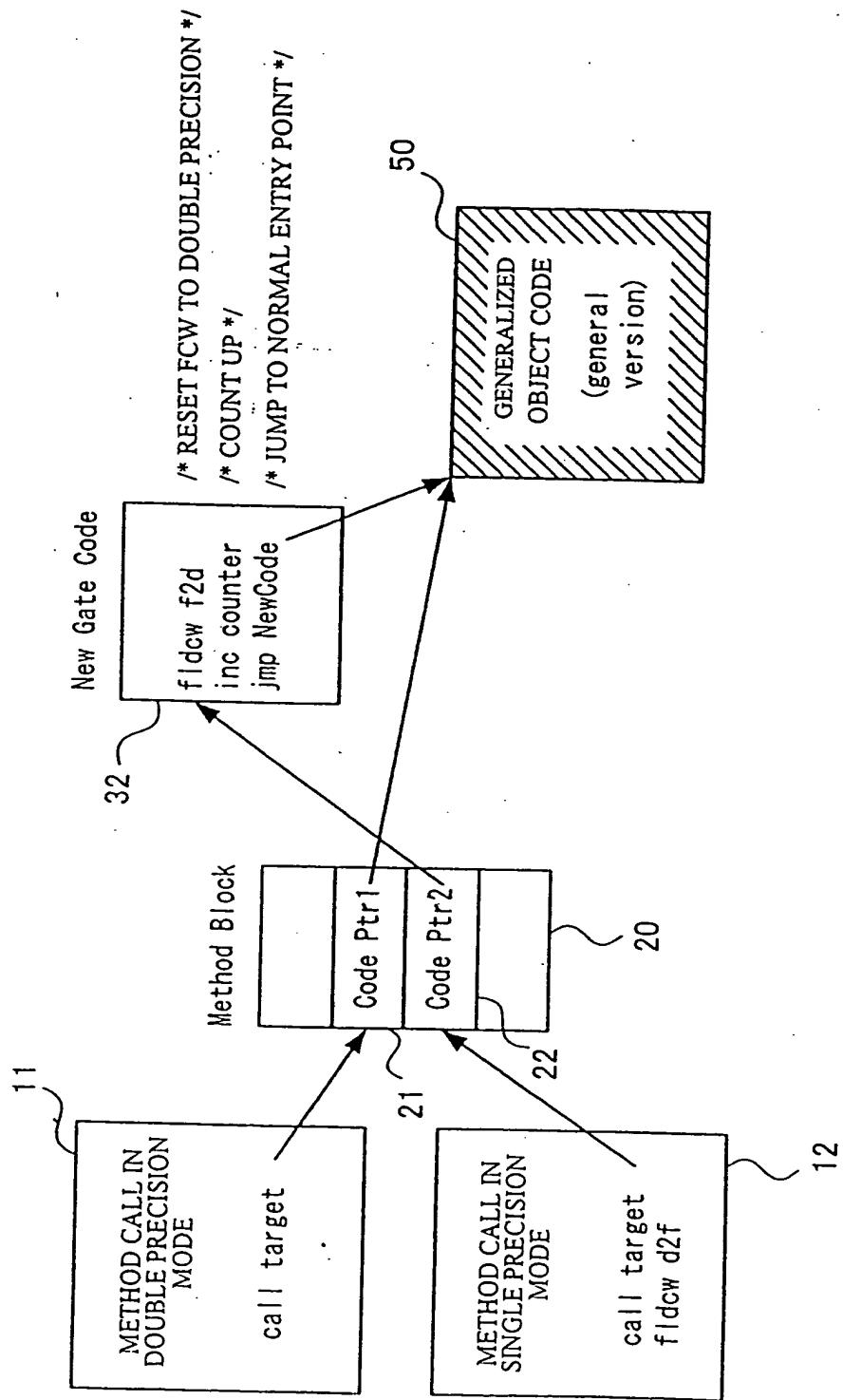


FIG. 3

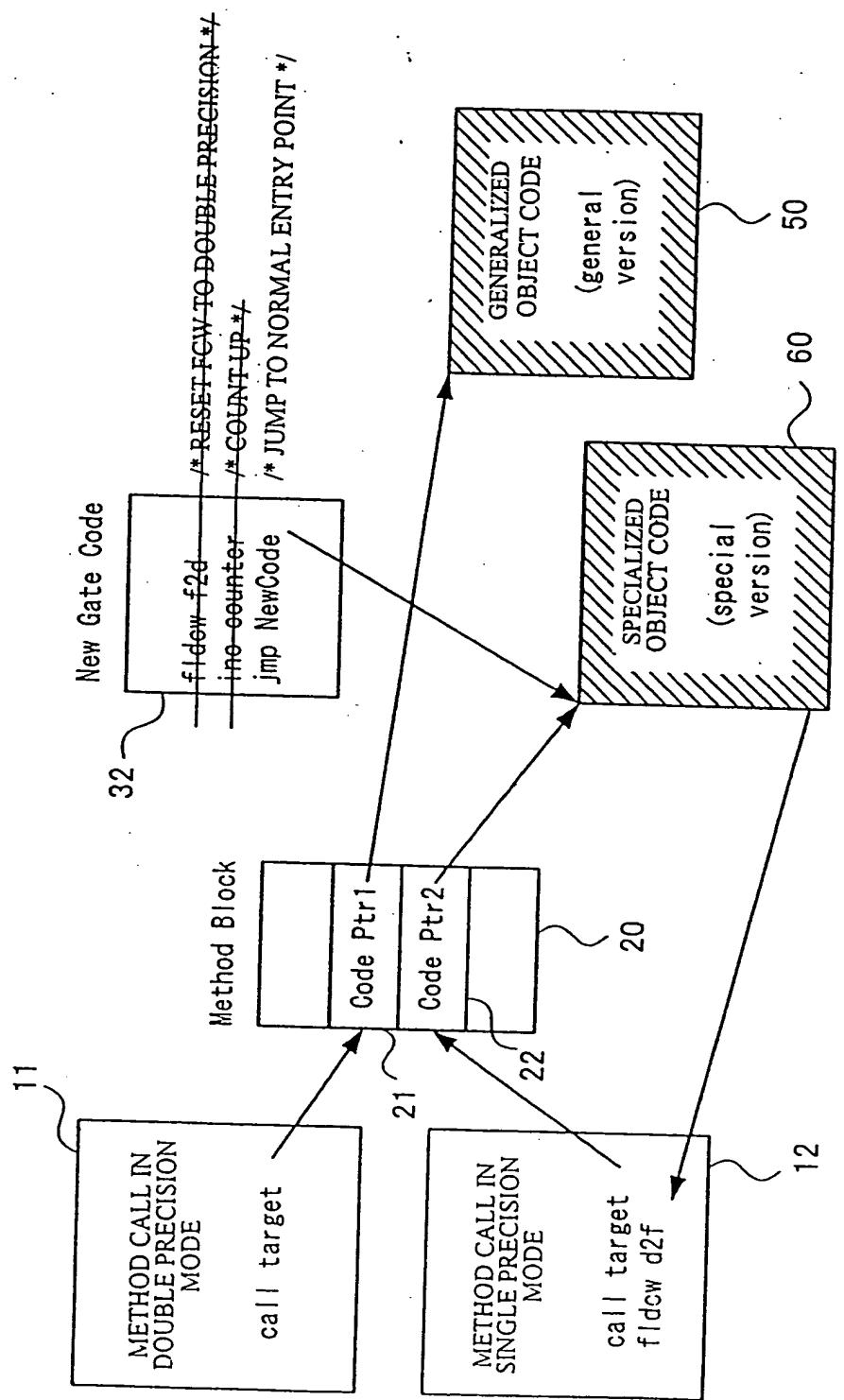


FIG. 4

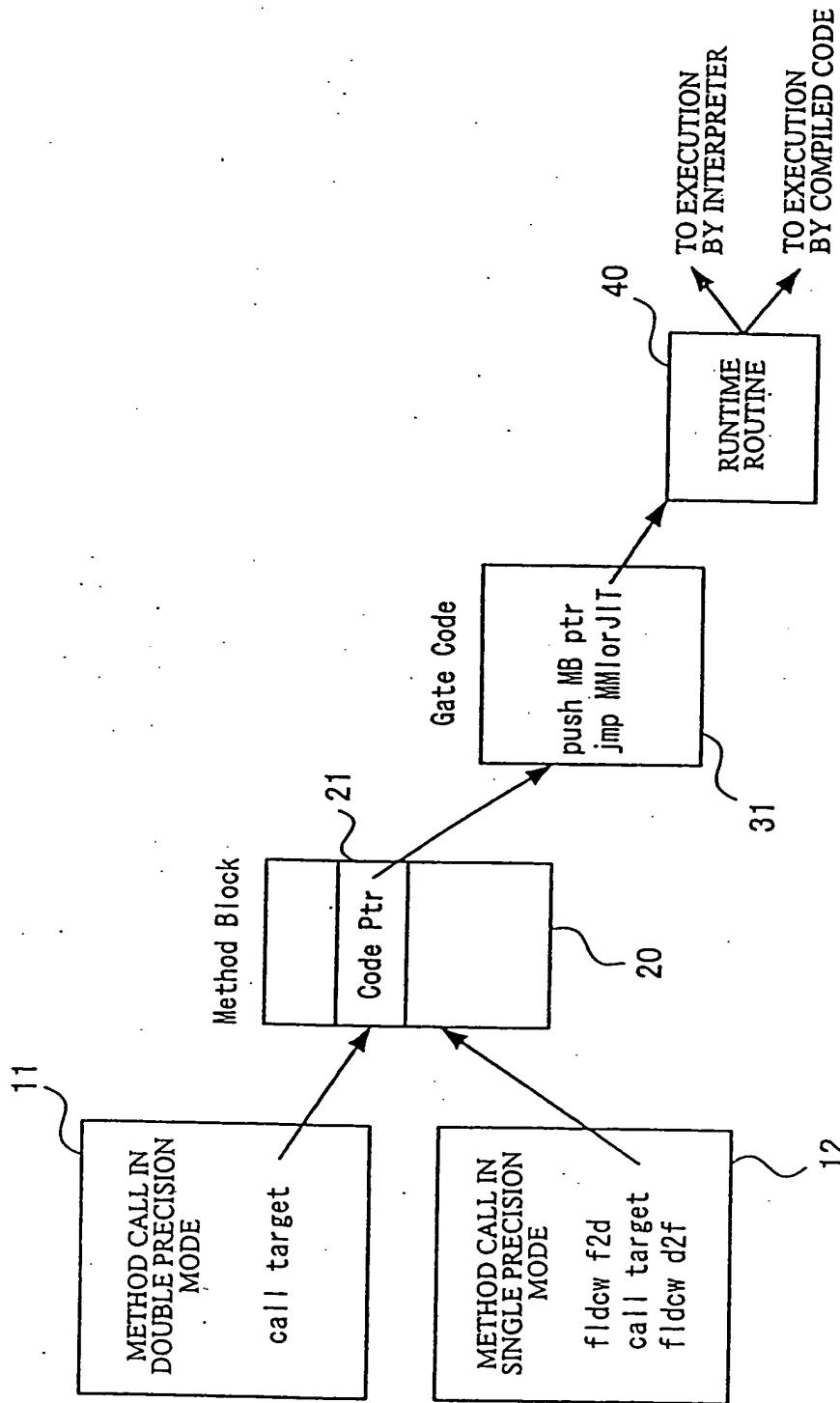


FIG. 5 (PRIOR ART)

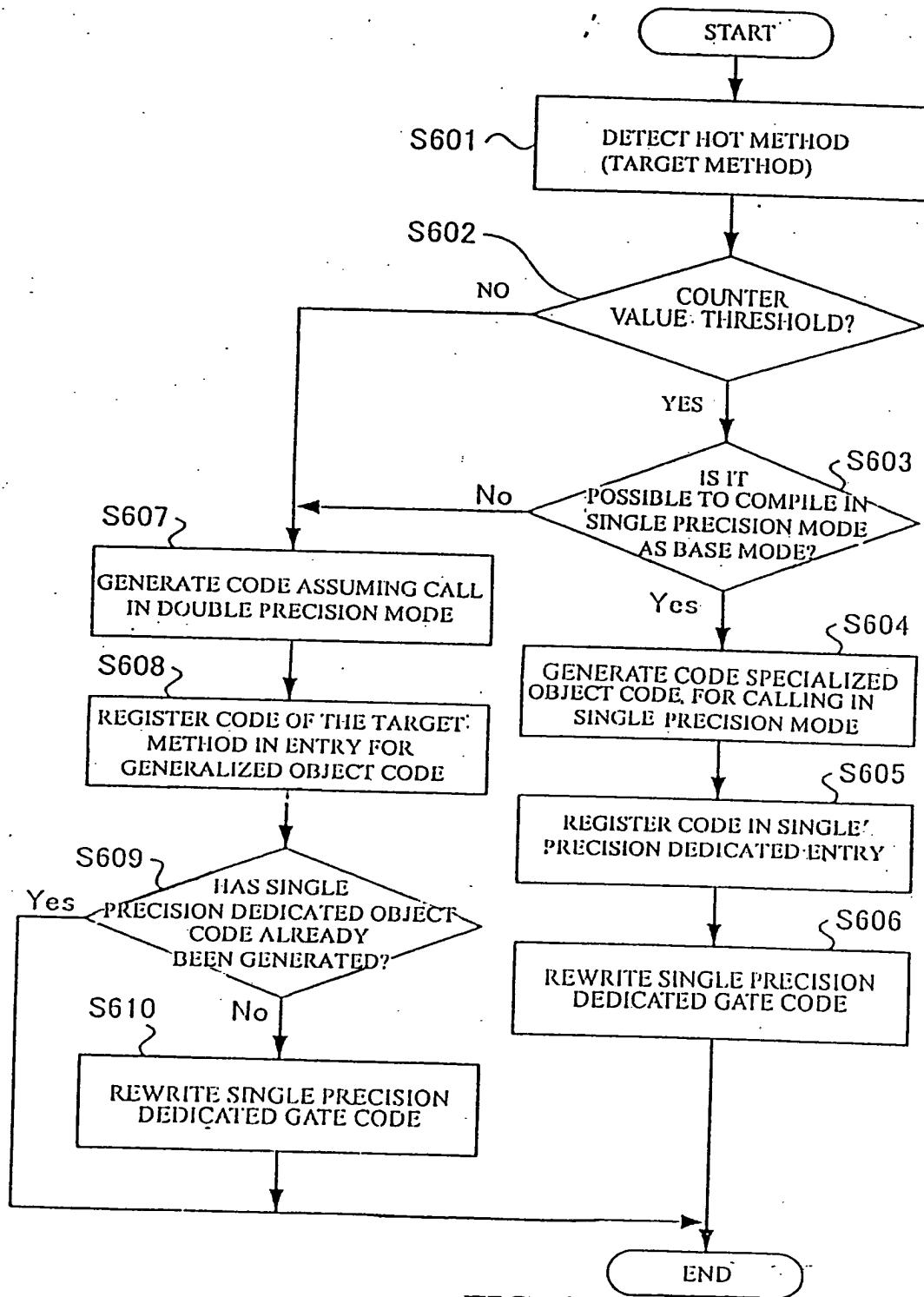


FIG. 6

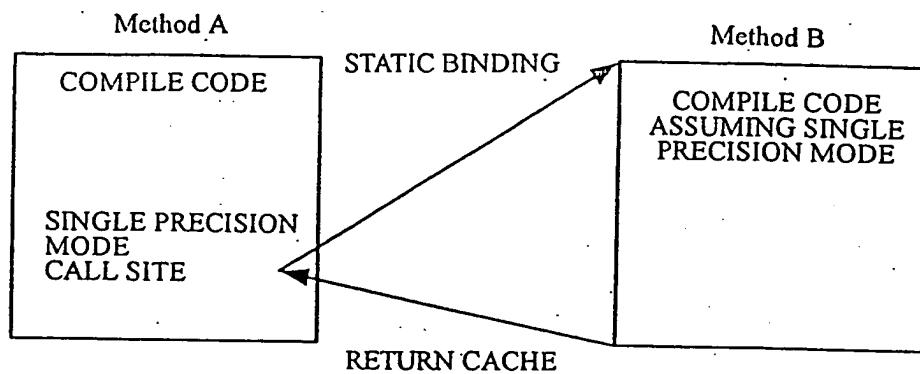


FIG. 7

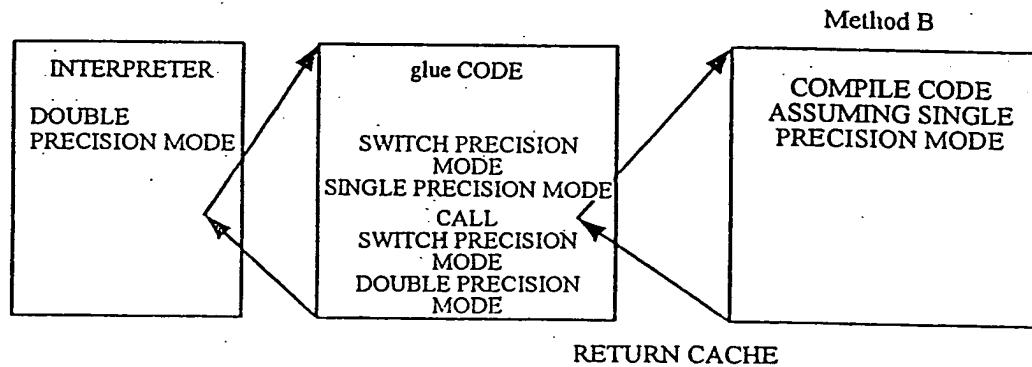


FIG. 8

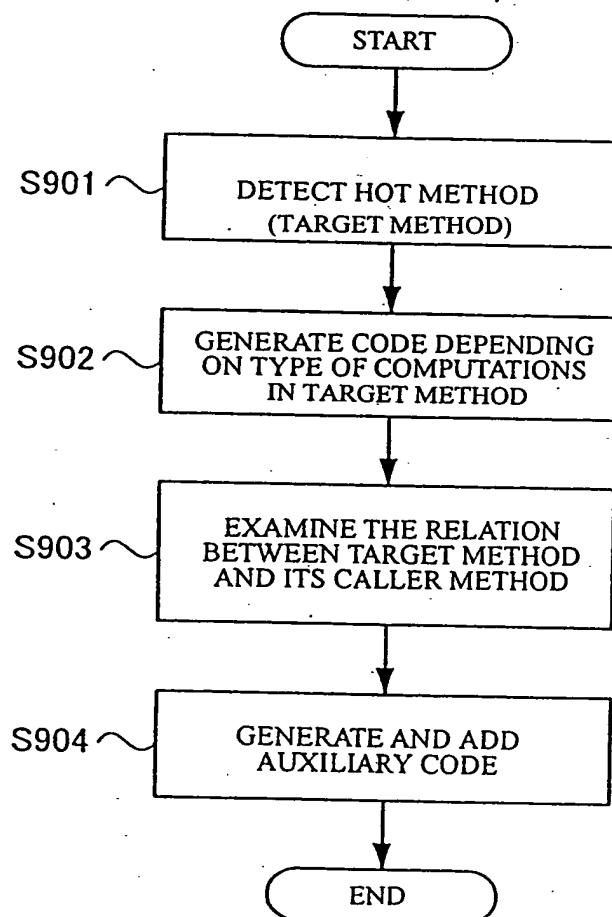
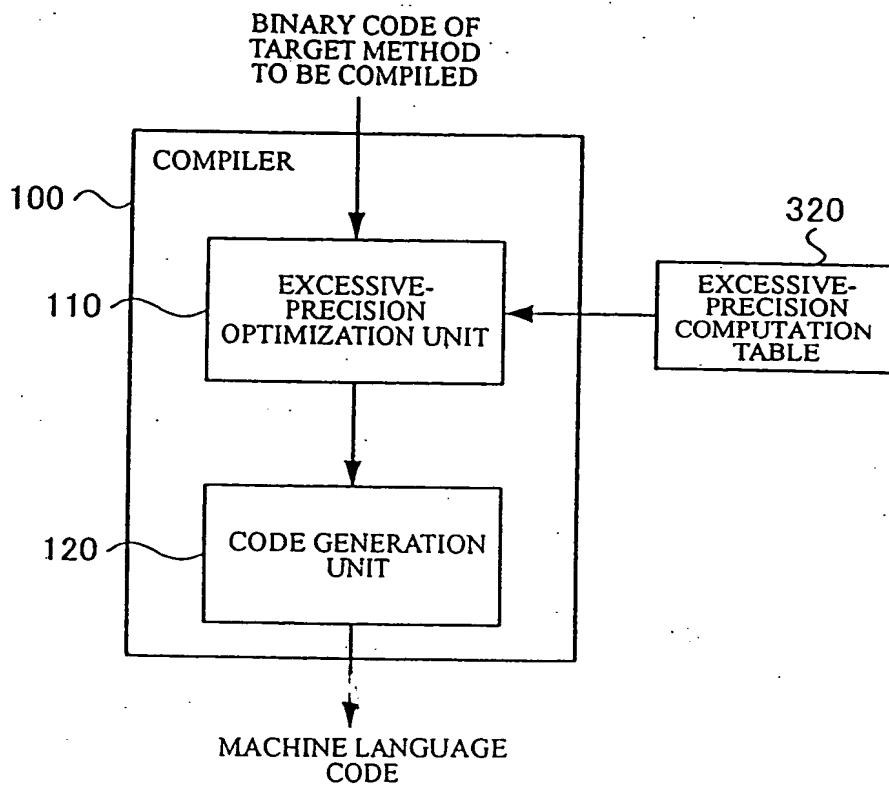
**FIG. 9**

FIG. 10



KIND OF OPERATION	RESTRICTION ON INPUT 1	RESTRICTION ON INPUT 2	...
DMUL	MANTISSA IS SINGLE PRECISION	MANTISSA IS 1	
DSQRT+D2F	MANTISSA IS SINGLE PRECISION	N.A.	
• • •			

FIG. 11

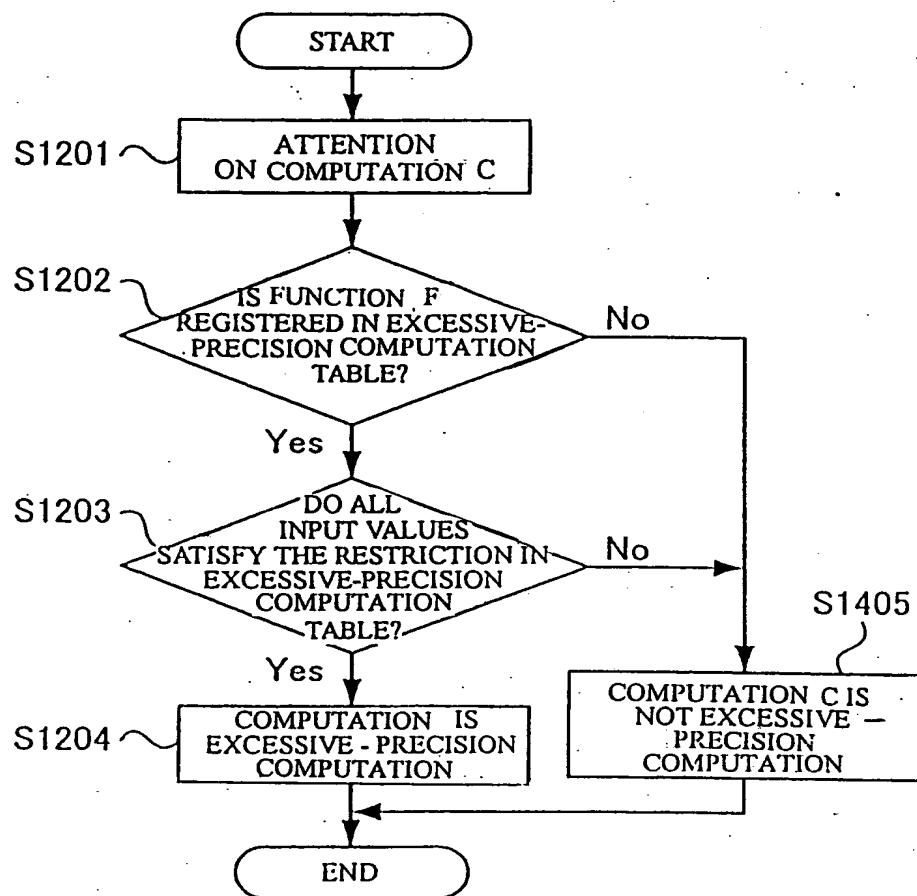
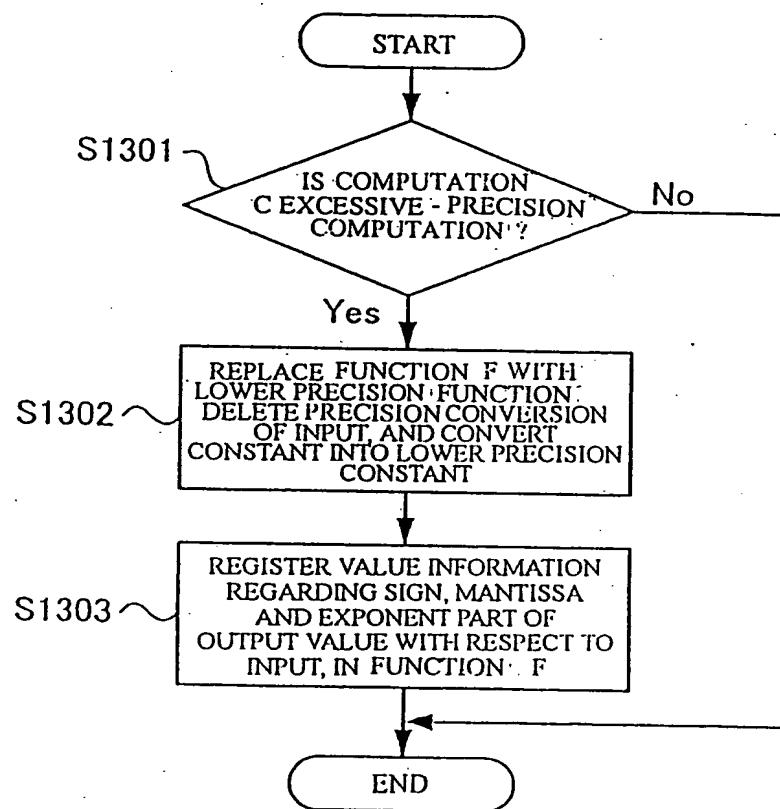


FIG. 12

**FIG. 13**

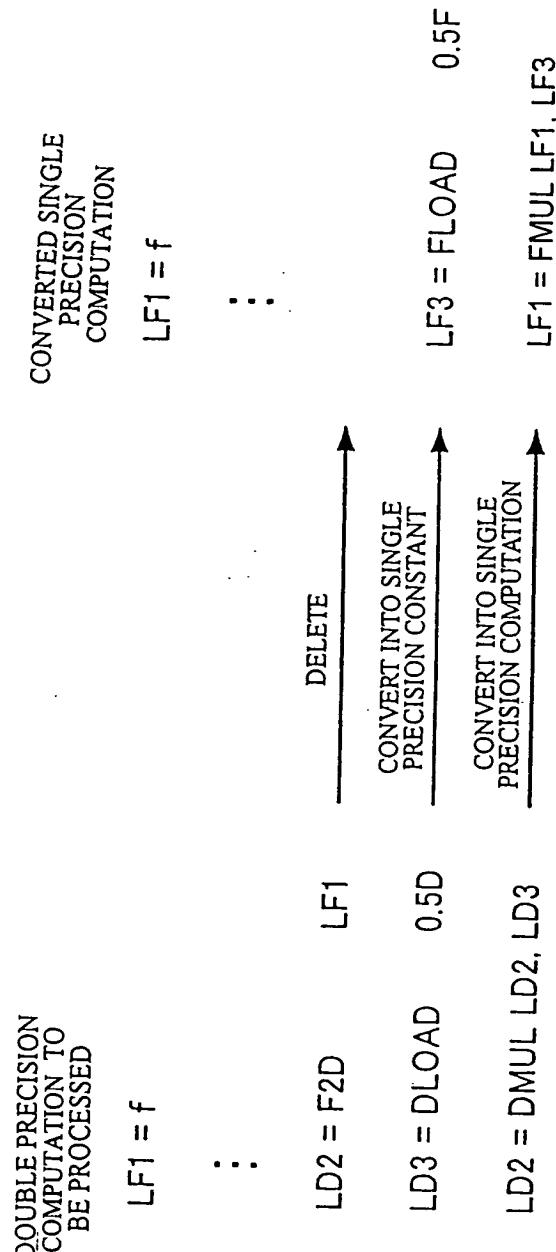


FIG. 14

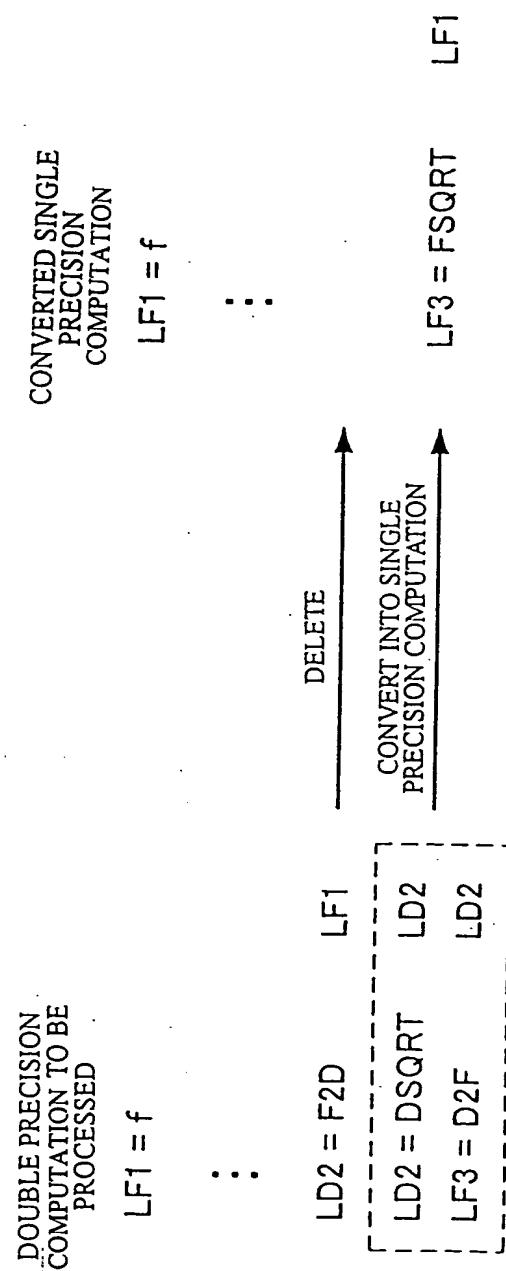


FIG. 15

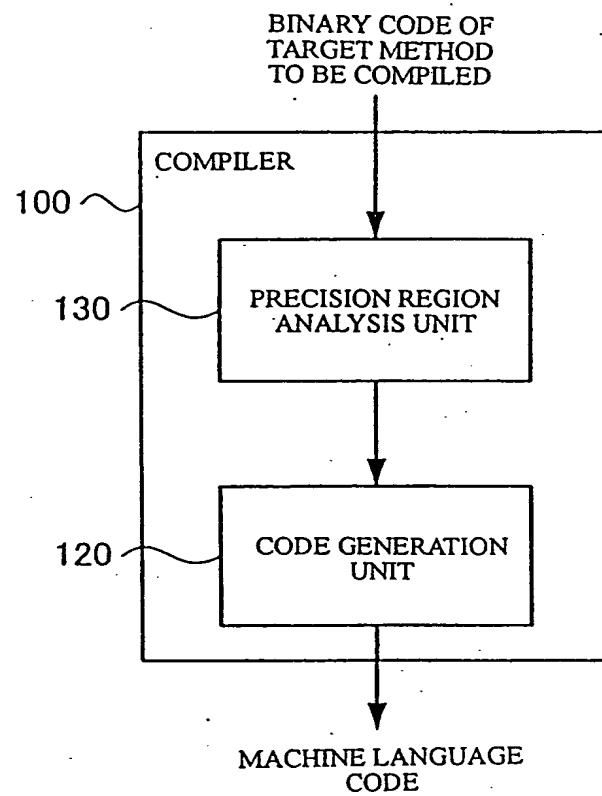
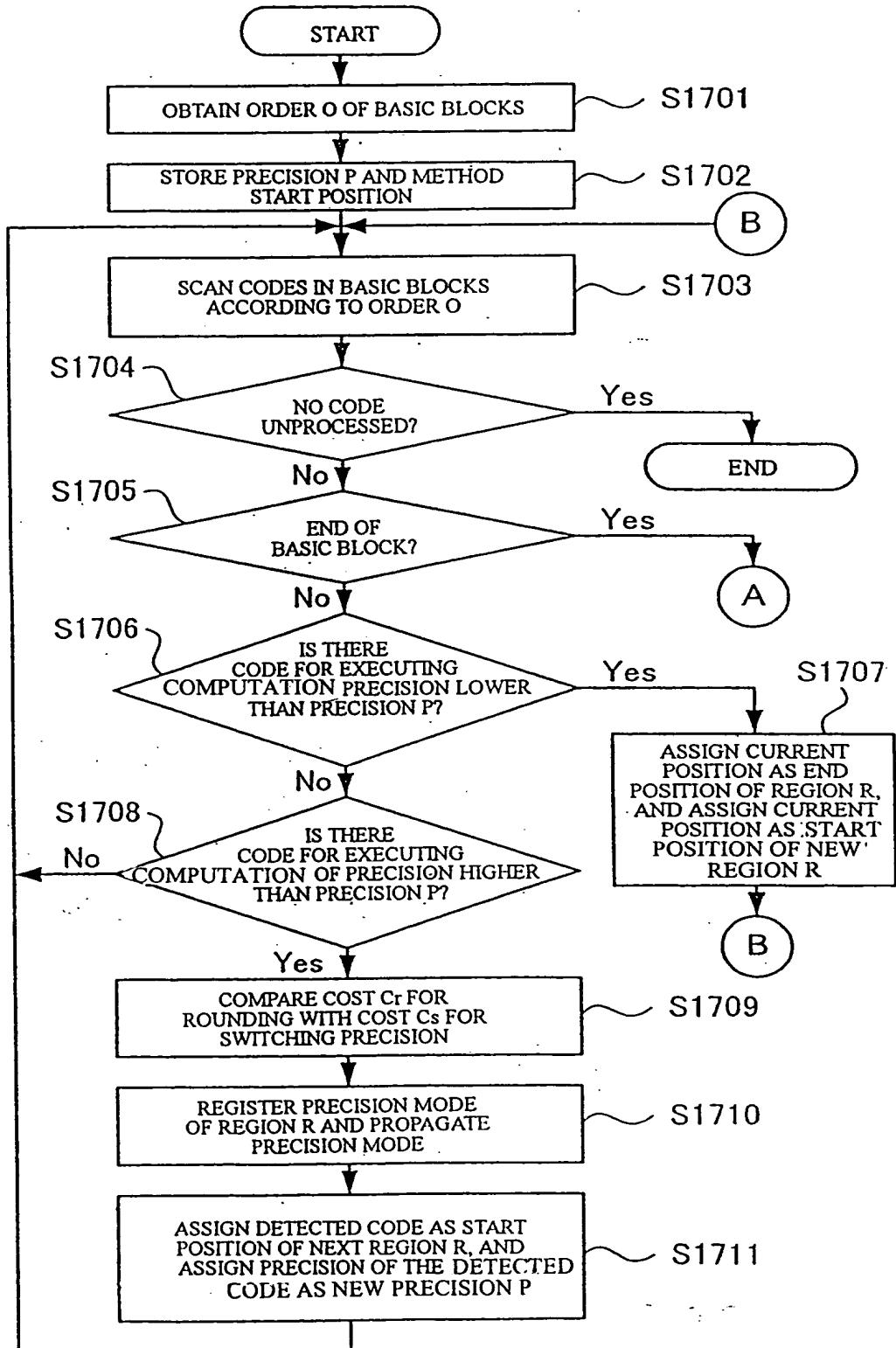
**FIG. 16**

FIG. 17



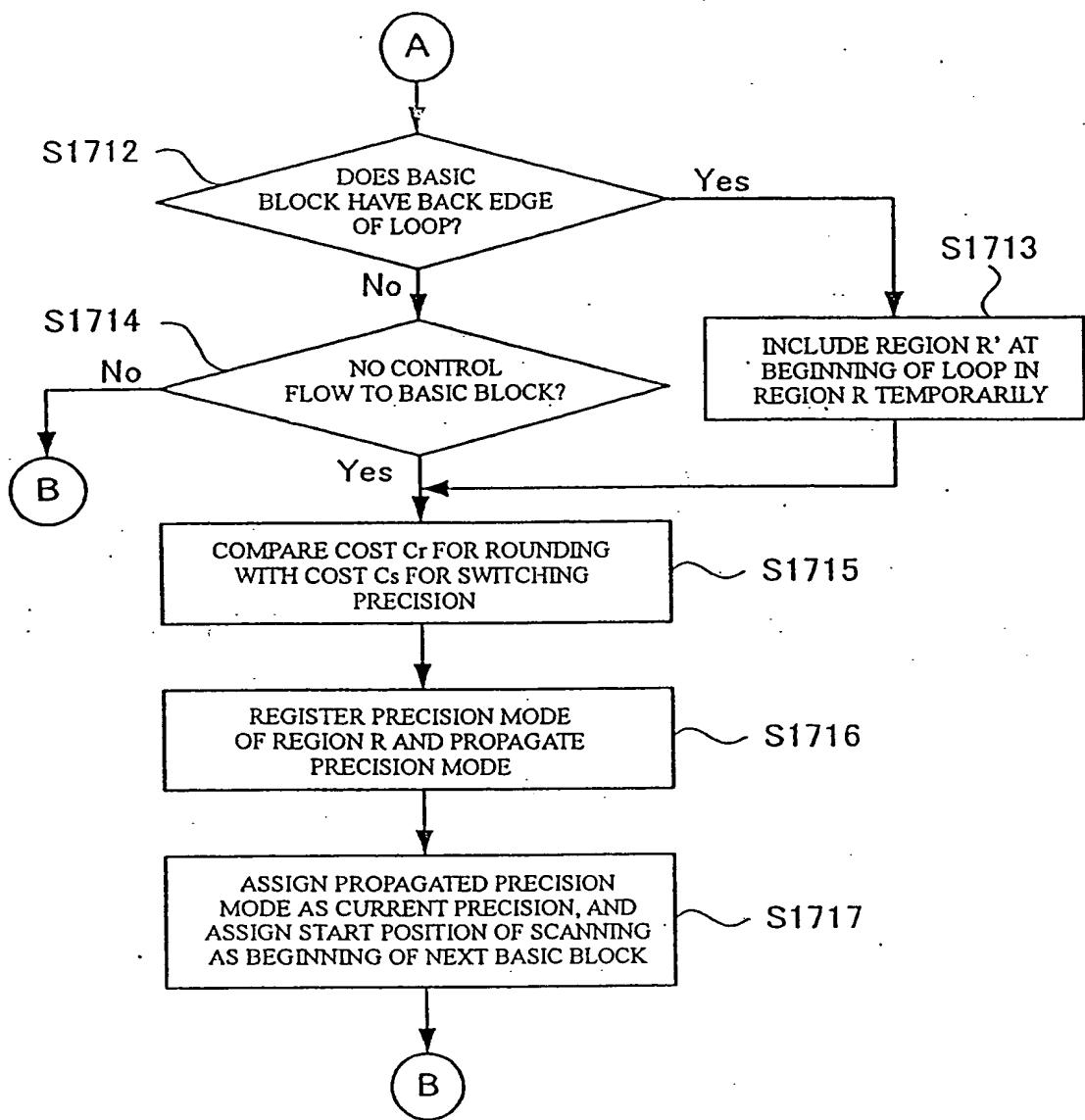


FIG. 18

FIG. 19

(A)

```
if (cond) {
    statement11
    statement12
} else {
    statement21
    statement22
}
statement3
```

(B)

```
Basic Block 1
    test cond
    if true goto Basic Block 2
    goto Basic Block 3

Basic Block 2
    statement11
    statement12
    goto Basic Block 4

Basic Block 3
    statement21
    statement22
    goto Basic Block 4

Basic Block 4
    statement3
```

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R NUMBER	START POSITION	END POSITION	BASIC BLOCKS INCLUDED IN THE REGION	ATTRIBUTE
1	THE THIRD INSTRUCTION IN BASIC BLOCK 1	THE SECOND INSTRUCTION IN BASIC BLOCK 3	1, 2, 3	SINGLE PRECISION
2			• • •	